S/120/63/000/001/022/072 E140/E135

AUTHORS: Gorbachev, V.M., Korolev, V.N., and Uvarov, N.A.

TITLE: High-speed oscillograph using travelling-wave tubes

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PERIODICAL: Pribory i tekhnika eksperimenta, ho.1, 1963, 98-101

TEXT: A high-speed oscillograph using $13 \Pi 0102 M$ (13L0102M) travelling-wave cathode-ray tubes is intended for photographic registration of two non-repeating high-speed processes. The vertical sensitivity is 2 V/mm, the timebase duration for deflection across the 100 mm screen varies between 0.1 and 3 μ s; the delay in triggering the timebase is not more than

30 x 10⁻⁹ sec. There are 4 figures.

SUBMITTED: February 20, 1962

Card 1/1

GORBACHEV, V.M., UVAROV, N.A.

Integral detector for determining the intensity of short meutron pulses. Prib. 1 tekh.eksp. 10 no.5:77-\$2 8-0 165.

(MIRA 19:1)

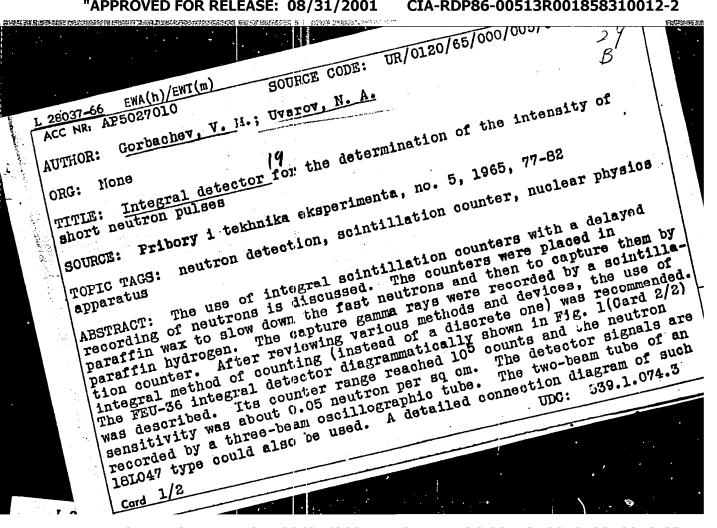
1. Submitted July 21, 1964.

GORBACHEV, V.M.; MASLOV, G.N.; UVAROV, N.A.

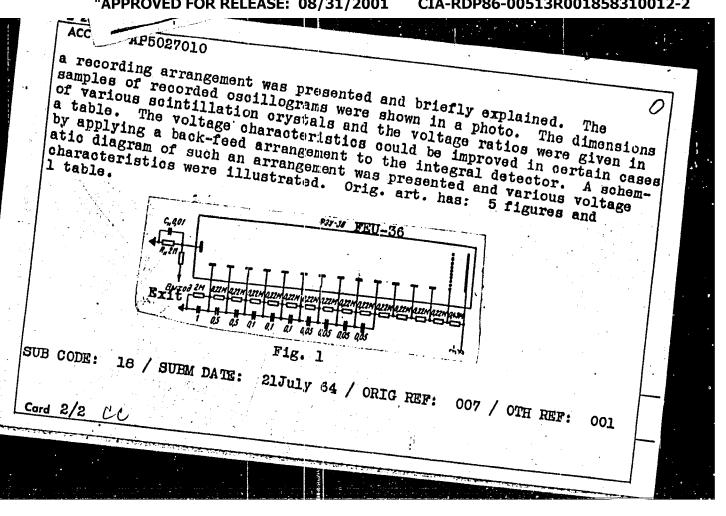
Wide-range intensitometer. Prib. 1 tekhn.eksp. 10 no.5;
82-85 S.O '65. (MIRA 19:1)

1. Submitted July 22, 1964.

CIA-RDP86-00513R001858310012-2 "APPROVED FOR RELEASE: 08/31/2001



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2" SHOSTAKOVSKIY, M.F.; PRILEZHAYEVA, Ye.M.; UVAROV, N.I.

Synthesis of sulfur compounds from vinyl ethers and acetylene. Report No. 17: Vinyl ethers of monothicethylene glycol. Izv. AM SSSR. Otd.khim.nauk no.10:1245-1249 0 58. (MIRA 11:12)

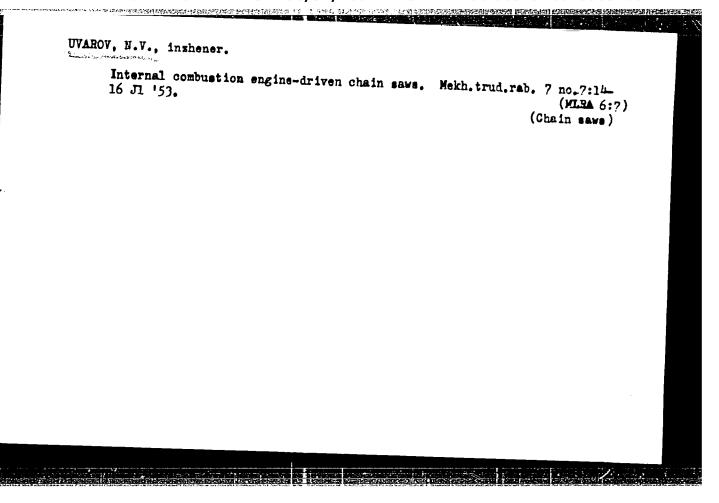
1. Institut organicheskoy khimii imeni N.D. Zelinskogo AN SSSR. (Glycols) (Ethers)

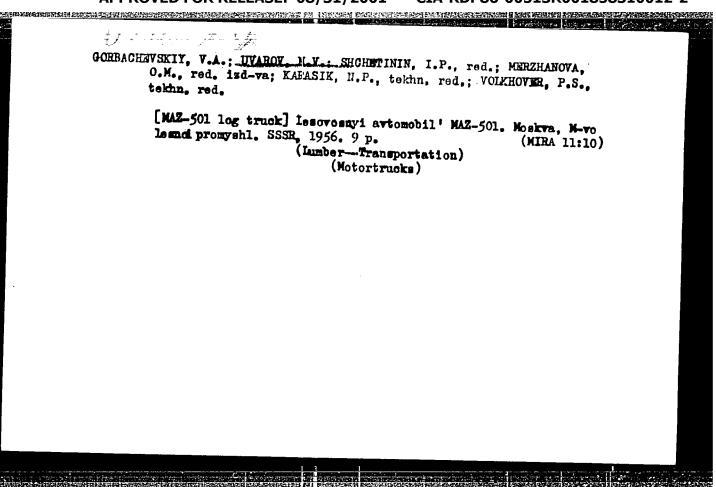
GRINEVICH, M.A.; UVAROVA, N.I.; YUDIN, A.M.

Symposium on Eleutherococcus and ginseng. Izv.SO AN SSSR no. 8. Ser. biol.-med. nauk no.2:139-141 163. (MIRA 16:11)

UVAROV, N. V.; CSIPCV, A. I.; PAVLOV, E. A.

The TSNIIME-K-5 Light-Duty Electric Saw (Collegehennaya elektropila
TSNIIME-K5), Goslesbumizdat, 1949, 40 pp.





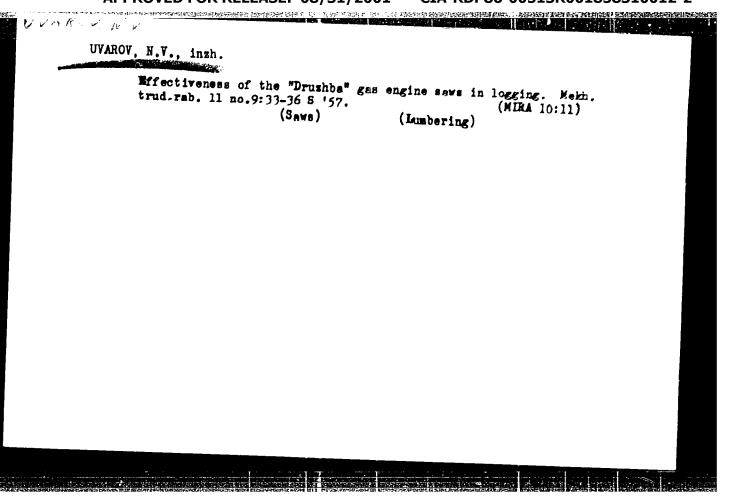
UVAROV, N.Y.,; NOVOSEL'TSEV, N.V., red.; OSOKINA, A.M., red. izd-va,;

KARASIK, N.P., tekhn. red.

["Druzhha" gasoline ctain saw with a single control; design and operation] Benzinomotornaia taepnaia pile odinochnogo uprevleniia "Druzhba"; konstruktsiia i ekspluatatsiia. [Moskva] M-vo lesno promyshl. SSSR [1957] 17 p.

(Chain saws)

(Chain saws)



UVAROV Nikolay Vasil'yovich; VIL'CHUR, C.A., rod.; YUKS, Ye.A., rod.izd-va;

[Using gasoline engine chain saws in lumbering] TSepnye benzomotornye pily na lesorazrabotkakh. Moskva, Goslesbumizdat, 1959.

(Saws)

(Saws)

L 25844-66 ACC NR: AR5018683

SOURCE CODE: UR/0196/65/000/007/3010/3010

AUTHOR: Kashechkin, N. I.; Moreyev, A.K.; Perel'mutor, N. M.; Uvarov, N. V.; Shvionov, I. V.

• / ?

ORG: none

TITIE: Portable power station "Druzhba" for lighting purposes

SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 7855

REF-SOURCE: Lesoekspluat. 1 lesn. kh-vo. Ref. inform., no. 5, 1965, 8-9

TOPIC TAGS: power generating station, building, lighting equipment, electric motor

TRANSIATION: This power station is to supply light and heat up to 1.5 kw and can be used on construction sites, wood clearings, timber conveying points, etc. For primary motive power, a one-cylinder, two-cycle motor is used (from a gasoline-motor saw). Through the reducer, the motor is connected with a generator of 1.7 kw, 220 v and 200 cps (shortcircuited and asynchronous). For excitation, a battery of condensers of 24 microfarades is switched in. A diagram of the portable power station and directives for its operation are given.

8. Shiftingon.

SUB CODE: 09/

SUBM DATE: none

Card 1/1 4/4/

UDC: 621.311.23:634.0

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

UVAROV. O., inzh.-tekhnolog

Quenching of thirst. Obshchestv. pit. no.11:63 H '58.

(Drinking water)

(HIRA 11:12)

UVAROVA, O.A.; ZEMSKOVA, Z.S.

Healing processes in experimental tuberculosis during the use of preparations of the second series. Probl. tub. 41 no.3:56-62 '63. (MIRA 17:9)

1. Iz patomorfologicheskoy laboratorii (zav. - prof. V.I.Puzi') TSentral'nogo instituta tuberkuleza (dir. - deystvitel'nyy chlen AMN SSSR prof. N.A.Shmelev) Ministerstva zdravookhraneniya S.SR.

UVARON J. F.

Subject : USSR/Electricity

AID P - 1924

Card 1/1 Pub. 29 - 4/31

Author

: Uvarov, O. F., Eng. CONTRACTOR ESPECIALISM Title

: Design and mounting of the piping system of electric power stations

Periodical: Energetik, 3, 8-10, Mr 1955

Abstract

: The author presents his design in which the pipes are located differently from the usual arrangement and are more convenient for future repairs and replacements. Four drawings.

Institution: None

Submitted : No date

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

UVAROV, O.F.

Subject : USSR/Electricity

AID P - 1953

Card 1/1 Pub. 29 - 2/25

Author : Uvarov, O. F., Eng.

Title : Necessity of improving the structure of separate details of high-pressure boilers

Periodical: Energetik, 4, 5-7, Ap 1955

Abstract: The author analyses the deficiencies of the TP-170 type boilers produced by the Taganrog and Podol'sk boiler plants. The major deficiencies are located in the drums and certain sections of the steam piping system. Other deficiencies are found in the welded connections of feed-water pipes and in the air predrawings.

Institution: None

Submitted : No date

AID P - 3353

Subject

: USSR/Electricity

Card 1/1

Pub. 29 - 11/27

Author

: Uvarov, O. F., Eng.

Title

Mounting vinyl-layer conduits for feedwater condition-

ing

Periodical

: Energetik, 9, 22-23, \$ 1955

Abstract

The author describes details of installation of vinyl pipelines at a newly built electric power station. These pipes of various diameters and a total length of 250 m serve to carry a solution of sulfuric acid and coagulant. The connection of pipes to the tanks was made with vinyl flanges. Four drawings.

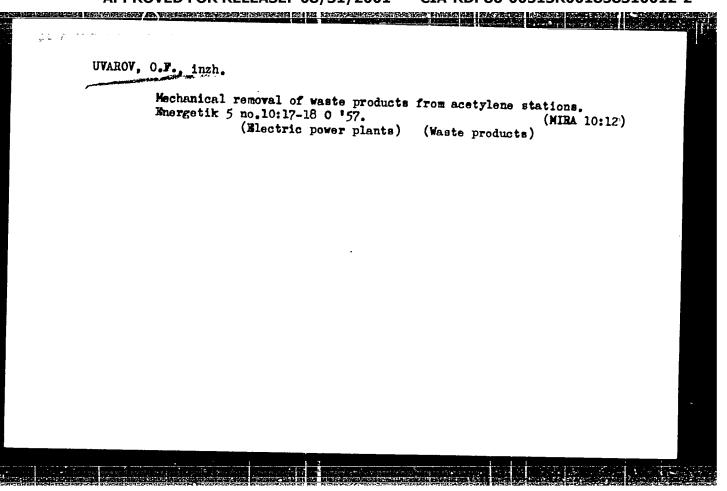
Institution:

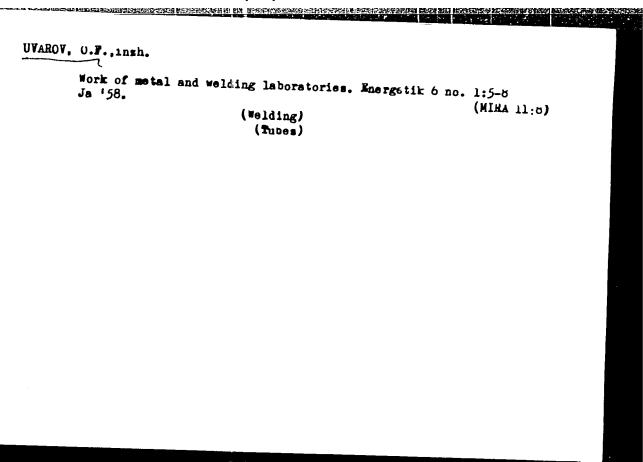
None

Submitted

: No date

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"





UVAROV, O.F., inzh.

Efficient method for securing machinery and equipment to fouriztions. Energ. stroi. no.2:40-42 '59 (MIRA 13:3)

1. Trest "Volgopromenergomontazh."

(Electric power plants--Equipment and supplies)

(Concrete footings)

25(1)

SOV/91-59-6-1/33

AUTHOR:

Uvarov, O.F., Engineer

TITLE:

On the Quality Control of Welding in the Assembly of Power Equipment and About the Regulations of the Gosgortekhnadzor

PERIODICAL:

Energetik, 1959, Nr 6, pp 1-3 (USSR)

ABSTRACT:

The author criticizes the inadequacy of the quality control methods proscribed by the Gosgortekhnadzor for use in the assembly of certain power equipment, especially the piping. He suggests abandoning mechanical testing and the testing of pipes on bending stresses. The Institut elektrosvarki imeni Patona (Institute of Electric Welding imeni Paton) has proved that the bead testing of samples with transverse seams, estimated by the angle magnitude, is not quite reliable and suggested to replace such testing by testing of samples with lengthwise seams. The impact resistance control norms for carbon and molyb-

Card 1/3

On the Quality Control of Welding in the Assembly of Fower Equipment and About the Regulations of the Gosgortekhnadzor

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denum steels are 6 kg·m/cm² and for chrome-molibdenum steel - 5kg·m/cm², whereas the technical requirements to high-pressure pipes ChMTU 2580-54, made of steels 20, 16M, 12MKh and 15KhM, read respectively 5, 7,7 and 6 kg·m/cm². This contradicts the Gosgortekhnadzor's requirements to the effect that the basic metal and the welded-on metal must have equal strength. The testing of numerous specimens of pipes, conducted in the construction of TETs, has shown that the existing impact resistance norms are low. Conversely, according to K.K. Khrenov ("Avtogennoye delo", 1953, Nr 6), the existing testing norms on rupture strength of gas—welded pipes (38kg/mm²) are too high. The metallographic pipe testing norms allow for a summary length of defects not to exceed 3 mm, irrespective of the thickness of the pipe walls. Actually, in case of 8-10 mm pipes, this allowance is inadmissible because

Card 2/3

On the Quality Control of Welding in the Assembly of Fower Equipment and About the Regulations of the Gosgortekhnadzor

of safety factor. The hydraulic testing of pipes is at present made, according to the instruction, at a pressure exceeding the normal operational pressure by only 25%. It is too low, because it does not take into account the additional stresses arising in changes of thermal regime. The author suggests to test the quality of welding on large pipes by the radiographic method and on small pipes by the metallographic method. He recommends to review the testing norms and methods prescribed by the Gosgortekhnadzor to make them adequate for modern welding technique. Furthermore, new instructions on electric welding must be worked out, based on the results of metallographic examinations of welded specimens. There is I Soviet reference.

Card 3/3

SOV/91-59-8-6/28

18(5) AUTHOR:

Uvarov, O.F. Engineer

TITLE:

The Application of Welded Flanges for Pipelines

PERIODICAL:

Energetik, 1959, Nr 8, pp 11-12 (USSR)

THE REPORT OF THE PARTY OF THE

ABSTRACT:

The author suggests a method of manufacturing welded flanges in case steel plates of the required thickness are not available. He recommends cutting two flange blanks from thinner plates. These blanks are welded to the tube and a V-groove about 6 mm deep is cut by a lathe in the center between the two sections, as shown in fig.1. The two sections are then welded in the area of the groove. The author explains also the welding of collar flanges using steel plates and steel bars. Only small flanges may be produced by this method, since, without additional machining on a lathe, their diameter is limited by the size of the drill which must be used for this purpose. Such a flange is shown in fig.2. The author states that flanges produced by this method are in operation for several years without showing any defects. A note from the editor says that this method should be used only

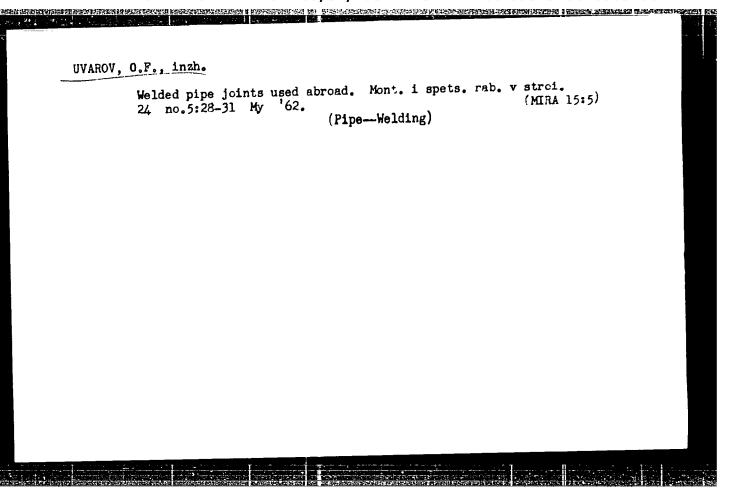
Card 1/2

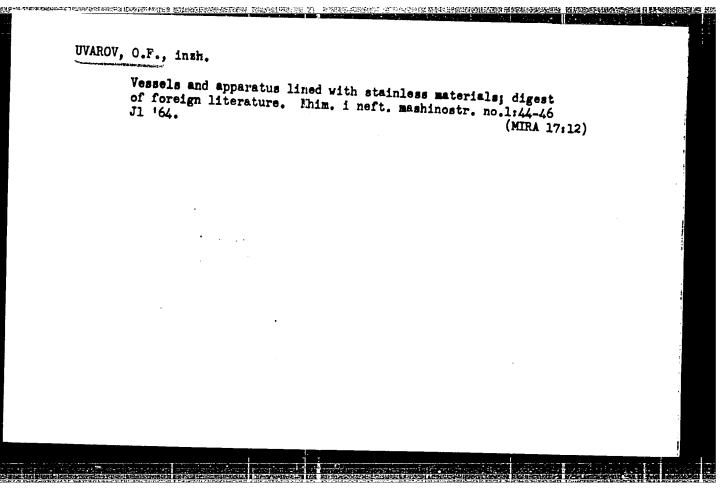
SOV/91-59-8-6/28

The Application of Welded Flanges for Pipelines

in urgent cases when no other material is available. There are 2 diagrams.

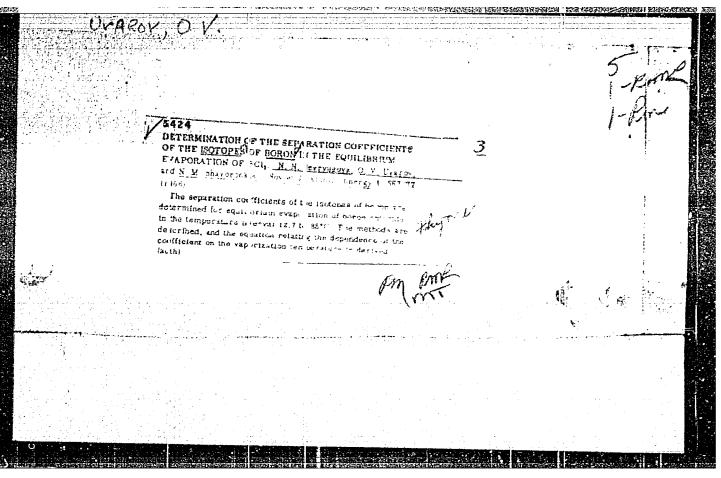
Card 2/2





UVAROV, O.F. (Ivanovo)

Use in the United States of methods for calculating underground metal pipelines for external stress resistance. Stroi. truboprov. 10 no.8:16-19 Ag '65. (MIRA 18:11)



"Rectification Column for Obtaining Water That Contains Weavy Oxygen," by O. V. Uvarov, V. A. Sokol'skiy, and N. M. Zhavoronkov, Scientific-Research Physicochemical Institute Imeni 404-405

A procedure and equipment with the use of which water containing 24.5% for the concentration of douterium, 018, and N-2 is pointed out.

Sum 13.05

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1520 AUTHOR SEVRJUGOVA, N.N., UVAROV, O.V., ŽAVORONIKOV, N.M. The Determination of the Separation Coefficients of Boron TITLE Isotopes at equilibrium Evaporation of BCl2.

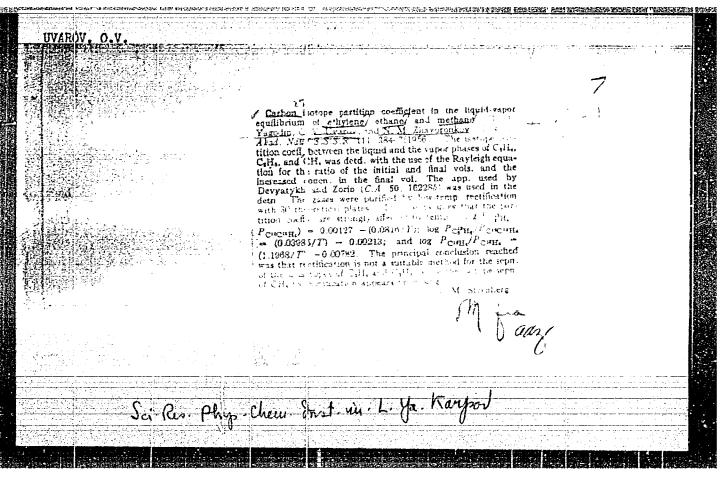
Atomnaja Energija, 1, fasc.4, 113-116 (1956) Issued: 19.10.1956 PERIODICAL

The present work describes the exact determination of the separation coefficient α of the system $B^{11}\text{Cl}_3$ - $B^{10}\text{Cl}_3$ and of its temperature dependence by the method of RALEIGH'S distillation. With this method a large quantity of the substance to be investigated is evaporated with the exception of a small remainder, and α is then determined from the modification of isotopic conditions at the beginning and at the end of the process of distillation. Distillation took place in two stages. The determination of the separation coefficient is possible if the following conditions are satisfied: The composition of the liquid must always remain unchanged in the entire volume. Evaporation must be slow without any violent boiling. The walls, particularly above the liquid, must always be a little warmer than the liquid. The first stage of distillation extends from 2000-3000 g to 50-70 g. The distilling device is described on the basis of a drawing. After this evaporation the metal balloon was removed and replaced by the evaporator for the second stage.

Also the apparatus for the second stage of distillation is illustrated by a drawing. This second distillation was carried out under the same conditions as

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

• Atomnaja Energija, <u>1</u>, fasc. 4, 113-116 (1956) CARD 2 / 2 PA - 1520 the first, and 0,5 to 1,0 g of the liquid was left over in the evaporator. . This remainder of liquid was carefully and exactly weighed. The samples were filled into glass ampules which were fitted to the evaporator. On the occasion of the introduction of the evaporator into the DEWAR vessel with liquid air, the air was pumped out. The evaporator was then heated to room temperature and in the ampule about 0,3 g BCl were condensed. Also a second ampule was filled in the same manner. At 300 revolutions performed by the vanewheel-like mixing device α attains its By means of the same apparatus the influence exercised by the evaporation velocity on the separation coefficient of B¹⁰Cl₃-B¹¹Cl₃ war investigated. In the interval of evaporation velocities of from 1,8 to 4,7 cm³/cm².hour this amount remained practically constant. With rising temperature α decreases considerably. At -61,7° the vapors of B¹⁰Cl₃ and B¹¹Cl₃ have the same viscosity, but at lower temperatures the viscosity of B¹⁰Cl₃ is lower than that of B¹¹Cl₃. This dependence can be represented by the equation $\alpha=1$, I112. e^{-2} , 33/T. According to a massspectroscopic analysis of isotopes of the compound BCl3 the ratio of isotopes in the initial state is 4,11. This corresponds to the following concentration: B^{10} - 19,5%, B^{11} - 80,5%. INSTITUTION:



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

"Geneva, 1 - 13 Sept 58.

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5(2) PEASE I DOOK EXPLOITATION SOTA	Wessymmoys soveshchamiys po khimii bors, 1955	Dery trudy Konferentii po khimii bora 1 yego soyedineniy (potent Yemmastions of the Conference on the Chemistry of Boron and Yes Compounts) Rescow, Coshimistate, 1958-189 p. Errata al imperted. 2,000 sopies printed.	Ma.; O.F. Luchinskiy; Toth. Md.; M.S. Lur'ye.	M: This book is intended for chemist: isstrial personnel working with boron (GOVERAGE: This collection contains 2% studies on the argatalline structure, paysicochemical properties, teamology of boron and its compounds. Twanty-two studies were presented at the All-Union Conference that he man to the All-Union Conference this head at the Manchor-Issaedovatel's styll beauthous and the All-Union Conference this head at the Manchor-Issaedovatel's styll beauthous the All-Union Conference and All All All All All All All All All Al	Mary Cannestine of the Contains and Coffee Contains	December 1955. The of these articles deal with the thermo- dealstry of boron. The two studies on "boundad" pro- duction are being published for the first time. The studies are well illustrated and accompanied by hibliographies.	PARLE OF CONTENTS!	Crystal Chamistry of Boron and Ass Chavoronkov.	Expression of Example 5 to The Partner of The De Emphresher Production of Elementary Soron by the Mathod of Electric Glow Discharge	Card 2/6	Estel'nikov, R.B. About the Pormation of Continuous Bolid Solutions in Systems of Borides, Carbides, Hitrides, and Silicides of Transition Metals	Mayerson 1.A., and 0.V. Sansonov. Conditions for peron Carbide Production	Meysaca, 3.4., 6.V. Sasionov, R.B. Kotel'nikov, R.S. Voyages, I.P. Yevisyers, and 5.D. Fessenbova. Gertain Froperies of Soride Alloys of High-melting Frankliko Metals	Sameonov, G.V. Activation Energy of Boron, Carbon, Hitrogen, and Silicon Diffusion in High-melting Franklicon Metals	Markovskiy, L. Ya., I.P. tverdovskiy, and Z.H. Matur. Sarface Properties of Elementary borns	Gard 3/6	
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21(5)

SOV/20-125-3-32/63

AUTHORS:

Matveyev, K. I., Uvarov, O. V., Zhavoronkov, N. M., Correspond-

ing Member, AS USSR

TITLE:

The Coefficients of the Separation of Chlorine Isotopes in the

Equilibrium Evaporation of HCl (Koeffitsiyenty razdeleniya

izotopov khlora pri ravnovesnom isparenii HCl)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 580-583

(USSR)

ABSTRACT:

The authors determined the influence exerted by the amount of impurities upon the value of the coefficient of separation. The

computation was made in a provisional manner according to

Rayleigh's equation. A diagram illustrates the results, i.e. the coefficient of separation as a function of the coefficient of enrichment F and of the degree of concentration. The liquid hydrochloric acid was evaporated out of a cylindrical vessel with conical bottom. Two figures illustrate this vessel which was contained in a vacuum jacket, as well as the scheme of the whole evaporator. The experimental conditions are listed, and the experimental results are shown in the following table:

Card 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

The Coefficients of the Separation of Chlorine Isotopes in the Equilibrium Evaporation of HCl $$\rm SOV/20-125-3-32/63$$

T	Р	F	α experimental	α computed
167	190	1.0221	1.0022±0.00025	1,0022
173	285	1.017	1,00193±0,000125	1,00194
181	534	1.012	1.0014±0 0001	1.0016
185				1.0014
189	760			1.0013

The temperature dependence of $\ln \alpha$ is expressed by the equation $\ln \alpha = \frac{1.2846}{T} - 0.0055$, where T denotes the absolute zero. The resultant small value of α (at the normal boiling temperature of 1.0013) indicates that it is not advisable to employ the rectification of HCl for the purpose of separating chlorine

Card 2/3

The Coefficients of the Separation of Chlorine Isotopes in the Equilibrium

THE RESERVE OF THE PROPERTY OF

isotopes, not even in the presence of columns with a high degree of efficiency. There are 3 figures, 1 table, and 9 references, 5 of which are Soviet.

ASSOCIATION:

Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Scientific Research Institute imeni L. Ya. Karpov)

SUBMITTED:

December 10, 1958

Card 3/3

5 (2), 21 (5)

AUTHORS:

Sevryugova, N. N., Uvarov, O. V., Zhavoronkov, N. M., Corresponding

SOV/20-126-5-36/69

CIA-RDP86-00513R001858310012-2"

Member AS USSR

APPROVED FOR RELEASE: 08/31/2001

BANKS BELLEVIS OF THE PERSON O

TITLE:

Separation of Boron Isotopes by Boron Chloride Rectification (Razdeleniye izotopov bora rektifikatsiyey khloristogo bora)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 5, pp 1044 - 1046

ABSTRACT:

At the beginning, the differences between the two boron isotopes B^{10} and B^{11} are indicated (Ref 1). The light isotope B^{10} is used for filling neutron counters; besides, it can be used as a protection against neutron radiation, and for regulating the operation of reactors. The separation of boron isotopes is achieved by 5 different methods: a) electromagnetically, b) by thermodiffusion, c) by means of diffusion by vapor, d) by the chemical isotope exchange, and e) by rectification. The methods a) and c) make possible a high degree of separation, but are little productive. The method b) failed. At present, the two latter methods d) and e) can be regarded as most convenient for the B¹⁰-production. Both of them have been chemically developed.

Card 1/3

Separation of Boron Isotopes by Boron Chloride Rectification

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SOV/20-126-5-36/69

The authors think that rectification is one of the most economical methods. They carried out the rectification of the BCl₃ in columns of various types of construction (Fig 1). The procedure is described in detail. Figure 2 shows the course of the increase in B¹⁰Cl₃ in the retort liquid. Within 28 days, a 5-fold enrichment was obtained at a content of 100 cm³ liquid in the distillation vessel. The stationary phase was not attained during the period mentioned. The calculation showed that (maximum possible) separability of the column is equal to 800 theoretical steps. This should guarantee the obtaining of a product with a content of about 75 Mol-% B¹⁰Cl₃. An approximate calculation showed that the production method for elementary boron described here is acceptable from an economical are Soviet.

Card 2/3

CIA-RDP86-00513R001858310012-2 "APPROVED FOR RELEASE: 08/31/2001

Separation of Boron Isotopes by Boron Chloride Rectification

SOV/20-126-5-36/69

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy institut im.

L. Ya. Karpova (Scientific Physico-chemical Research Institute imeni L. Ya. Karpov)

SUBMITTED:

September 5, 1958

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2" KAZANSKIY, B.A.; LUKIMA, M.Yu.; MAKHAPPTYAN, L.A.; ZOTOVA, S.V.;

LOZA, G.V.; SHATRMSHTEYN, G.A.; OVODOVA, V.A.; UVARO7, O.V.;

SOKOLOV, M.M.; SMCL'MKOV, V.P.

Production of high purity cyclopropane. Inim. prom. no. 6:462(465 8 '60. (Cyclopropane)

82733 \$/089/60/009/202/004/015 B006/B056

24.6710 AUTHORS:

Sevryugova, N. N., Uvarov, O. V., Zhavoronkov, N. M.

TITLE:

Separation of Stable Boron Isotopes 9

PERIODICAL:

Atomnaya energiya, 1960, Vol. 9, No. 2, pp. 110-125

TEXT: The present article gives a detailed description of the methods of separating the boron isotopes \mathbb{R}^{10} and \mathbb{R}^{11} which are interesting for industrial purposes. The molar ratio of the two isotopes in naturally occurring boron is about 20:80. The various methods furnish somewhat different values, and various authors also obtained different results by one and the same method (on \mathbb{R}^{10}) (cf. Table 1). These problems are briefly dealt with

in the introduction, after which the electromagnetic method, the method of thermal diffusion, and the method of diffusion in the vapor current of an inert substance are discussed, while in the following the two most important methods of industrial separation of isotopes are explained in great detail: the method of chemical isotopic exchange and the method of rectifying boron halides. G. M. Panchenkov. V. D. Moyseyev, and A. V. Makarov

Card 1/4

Separation of Stable Boron Isotopes

82733 \$/089/60/009/002/004/015 B006/B056

(Ref. 31) were among the first who suggested using the chemical exchange between boron halides and organic boron halogen complexes for the separation of boron isotopes. The separation factor α is comparatively large for these processes and is, on the average, about 1.03. Its temperature dependence for the systems $(C_6H_5)(CH_3)OBF_3-BF_3$ and $(C_4H_9)SBF_3-BF_3$ is given in Tables 2 and 3. For the last-mentioned system α attains a maximum value of 1.054 at -20°C. The α -values determined by various authors by means of different isotopic exchange methods are given in Table 4. The grave disadvantage of the method consists in the high molecular weight of the complex. This is the reason why industrial plants find it less economical to work by this method. The rectification methods are considerably more simple, but, in this case, the separation factor is small. In BO₃(CH₃)₂·e.g., it is only 1.001; in practice, only BF₃ and BCl₃ are used, which have a somewhat higher α . In the first case, the temperature dependence of α is given by α = 1.0488 e-6.17/T, and in the second case by α = 1.0112 e^{-2.33/T}. The temperature- and pressure dependence of α

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Separation of Stable Boron Isotopes

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in BF₃ rectification are illustrated also by the numerical values in Table 6 and the $\alpha(T)$ curve in Fig. 3. $\alpha(T)$ for BCl₃ rectification is shown in Fig. 5. The greatest disadvantage of the rectification methods consists in the fact that, for the purpose of increasing α , it is necessary to work at the lowest possible temperatures, which reduces productivity because of the consumption of liquid air. BCl₃ rectification seems to be the most profitable method; though the separation factor is only about 1.003, this value may be attained at atmospheric pressure and room temperature. A large table (5) shows the characteristics of the individual columns for rectification—and isotopic exchange methods (4.1)

perature. A large table (5) shows the characteristics of the individual columns for rectification—and isotopic exchange methods (taken from Refs. 40-47). The most important data of the various methods are compared in Table 7. There are 7 figures, 7 tables, and 71 references: 23 Soviet, 20 US, 5 German, 4 British, 1 French, 6 Dutch, 2 Swedish, and 1 South African.

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Card 3/4

Separation of Stable Boron Isotopes

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S/089/60/009/002/004/015 B006/B056

SUBMITTED:

April 4, 1960

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Card 4/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

S/076/60/034/05/10/038 B010/B002

5.2400(A)
AUTHORS: S

Sevryugova, N. H., Uvarov, O. V., Zhavoronkov, K. M.

TITLE:

Card 1/2

Separation Factors of Boron Isotopes in the Equilibrium

Vaporization of Boron Fluoride

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 5, pp. 1004-1008

TEXT: The authors investigated the dependence of the separation factors α on temperature with respect to the system $B^{11}F_3 - B^{10}F_3$ under equilibrium vaporization. The values of α were determined by Raleigh's distillation method. In order to obtain a larger value of G_0/G_E (G_0 and G_E = amount of substance at the beginning and at the end of distillation), vaporization was brought about in two stages. Experiments took place in a device suited for the purpose (Fig. 2), the main elements of which are two varporization vessels (Fig. 1), in which mixing is done with magnetic stirrers. The vessels are installed in a cryostat filled with isopentane, the temperature of which is measured with thermocouples. Experiments showed (Table 1) that the maximum value of α is attained at a stirrer speed of 200 rpm. Determinations of the influence exerted by the boiling temperature (measured at 157 to 168 K) on the value of α revealed (Table 2) that α drops with temperature, which fact had already been observed on the system $B^{11}Cl_3 = B^{10}Cl_3$.

Separation Factors of Boron Isotopes in the S/076/60/034/05/10/038 Equilibrium Vaporization of Boron Fluoride B010/B002

In the present case, this dependence amounted to α = 1.0488 e^{-6.17/T} (3). Since α rises with temperature, it is expedient to rectify BF, at atmospheric or higher pressure. The samples were analyzed by means of an MC-4 (MS-4) mass spectrometer. B¹¹F, was found to be the more readily volatilizing component in the temperature range investigated. On the strength of experimental results obtained by G. M. Panchenkov, V. D. Moiseyev, and N. A. Lebedev (Ref. 6) concerning the dependence of the ratio between the peak height of (B¹⁰F₂)⁺ and (Si²⁸F₃)⁺ on the silicon fluoride content in BF₃, less than 0.1 mole% of SiF₄ was found to occur in the samples investigated. There are 3 figures, 2 tables, and 6 references: 3 Soviet, 1 american, and 2 German.

SUBMITTED: June 23, 1958

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

S/076/60/034/009/039/041XX B020/B056

AUTHORS:

Matveyev, K. I., Uvarov, O. Y., Zhavoronkov, N. M.

TITLE:

The Separation Factors of Chlorine Isotopes in Equilibrium Vaporization of Cl

PERIODICAL:

Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 9, p. 2123

In 1959, the authors published a paper (Ref. 1), in which the separation factors of chlorine in equilibrium vaporization of HCl had been determined. When using the same method, the temperature dependence of the separation factors of the chlorine isotopes Cl 25 and Cl 27 in equilibrium evaporation of molecular chlorine was measured. On the assumption that the ratio of the vapor pressures of two kinds of isotopes of chlorine molecules is equal to the separation factor α (which holds for the majority of isotopic systems), the temperature dependence of this ratio may be expressed by the following equations:

 $\ln \alpha_1 = \ln(\text{pcl}_2^{35}/\text{pcl}_2^{37}) = 1.7736/\text{T} - 0.00723$ $\ln \alpha_2 = \ln(\text{pcl}_2^{35}\text{cl}_2^{37}/\text{pcl}_2^{37}) = 1.1392/\text{T} - 0.003896$

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

The Separation Factors of Chlorine S/076/60/034/009/039/041XX Isotopes in Equilibrium Vaporization of Cl₂ B020/B056

The partial pressures of the various kinds of isotopes are determined from the isotopic ratio by means of mass spectrometry. The data given in the accompanying table show that the preparation of pure chlorine isotopes by rectification of molecular chlorine is unsuitable, because even at a pressure of about 100-200 mm Hg the separation factor is very small (1.0015 - 1.0010). There are 1 table and 1 Soviet reference.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute imeni L. Ya. Karpov)

SUBMITTED: February 17, 1960

Card 2/2

MATVEYEV, K.I.; UVAROV, O.V.; ZHAVORONKOV, N.M.

Separation of chlorine isotopes by the chemical exchange method.
Zhur.prikl.khim. 34 no.11:2563-2566 N '61. (MIRA 15:1)

(Chlorine-Isotopes)

43783

G/025/62/000/004-5/004/005 I041/I241

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AUTHORS: Uvarov, O.V., Sokolov, N.M., and Zavosonokov, N.M.

TITLE: Physico-chemical constants of H₂0¹⁸

PERIODICAL: Kernenergie, no.4-5, 1962, 323-329

TEXT: The elementary separation factor for the system H_2O^{16} — H_2O^{18} in the temperature range from 20-210°C was determined by a differential vapour pressure measurement method. The results are given by the formula $\alpha = 0.9835$ exp (7.598/T). From these results one calculates the difference in latent heat of evaporation of the two water species as 14.98 cal/niob and the boiling point of pure H_2O^{18} at atmospheric preasures as 100.13°C. The refractive index difference — Δn — between light and heavy water was measured at 20°C with the results: $\Delta n = 3.4 \cdot 10^{-4}$. The temperature coefficient of the refractive index difference between 10° —30°C was found to be

Card 1/2

G/025/62/000/004-5/004/005 1041/1241

Physics-chemical constants of H2018

(1.18-1.20) 10-6. The density of enriched waters of varying H2018 concentration was measured at 25°C and 30°C and the result obtained was d = A+0.00107. N where $N = \text{water concentration of } H_20^{18}$ and A at 250 = 0.99720. Pure H_20^{18} at 250 is then 1.10723 denses than normal water. There are 5 drawings including a schematic sketch of the differential vapour pressure apparatus and 6 table of results (translator's note) modified translation of author's abstract)

ASSOCIATION: Karpov Institut for Physical Chemistry, Moscow.

SUBMITTED:

Paper presented at the 2nd conference on Stable Isotopes, October 30, - November 4th, 1961.

.. Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

MALYUSOV, V.A.; ZHAVORONKOV, N.M.; MALAFEYEV, N.A.; ROMEYKOV, R.N.;
Prinimali uchastlye: BABKOV, S.I.; UVAROV, O.V.; SOLYANKIN,
L.N.; GRISHIN, D.M.

Effectiveness of regular packings in the rectification of water.
Khim.prom. no.7:519-529 JL '62. (MIRA 15:9)

(Packed towers)

UVAROV, 0.V.; SOKOLOV, N.M.; LYAPIN, V.V.; ZHAVORONKOV, N.M. Coefficients of separation of the carbon isotopes c^{12} - c^{14}

during the equilibrium vaporization of methane. Zhur. VKHO 7 no.6:695-697 '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy fiziko-tekhnicheskiy institut imeni L.Ya. Karpova.

(Methane) (Carbon-Isotopes) (Evaporation)

43470

5/076/62/036/012/005/014 B101/B180

11 3300

Uvarov, O. V., Sokolov, N. M., and Zhavoronkov, N. M. (Moscow) AUTHORS:

Physical and chemical constants of heavy oxygen water TITLE:

PERIODICAL: Zhurnal fizicheskoy khimii, v. 36, no. 12, 1962, 2699 - 2706

TEXT: Water containing $\sim 47\%$ H₂0¹⁸ and up. to 60% D₂0 was purified, and the DoO content was reduced to 0.016 mole% with reduced heated metallic hot iron. The following physicochemical constants were determined: (A) The $H_20^{16} - H_20^{18}$ separation coefficient \propto by a differential method similar to that used by W. H. Keesom, J. Haantjes (Physica, 2, 986, 1935) for separating neon isotopes. Result: between 20 and 210°C, log ~ = 3.300/T = -0.00722 which is in good agreement with data obtained by other researchers. 100°C = 1.0038. The difference in heats of vaporization is 14.97 cal/mole, the boiling point of ${\rm H_2O}^{18}$ at 760 mm Hg is 100.13°C. (B) The refractive index was determined with an interferometer. $\Delta n = 0.00034N_{\rm H_2O}18$ holds for Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2" Physical and chemical ...

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white light at 20°C ; $N_{\text{H}_20^{18}}$ is the molar part of H_20^{18} in the mixture.

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Between 10 and 30° C, the temperature coefficient of the difference in refractive indices of H_2O^{16} and H_2O^{18} is (1.18 - 1,20).10-6. (C) The water density was determined pycnometrically for different ${\rm H_20}^{18}$ contents.

= A + 0.001070 N_{H₂018}, where A = 0.99720 at 25°C, 0.99580 at

30°C, and 0.99230 at 40°C. At 25°C, the density of 100% $\rm H_20^{18}$ is 1.10724 with respect to river water. There are 3 figures and 5 tables. important English-language references are: S. Sakata a. N. Morita, Bull. Chem. Soc. Japan, 29, 284, 1956; H. E. Watson, J. Amer. Chem. Soc., 76,

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute imeni L. Ya. Karpov)

SUBMITTED:

June 23, 1961

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

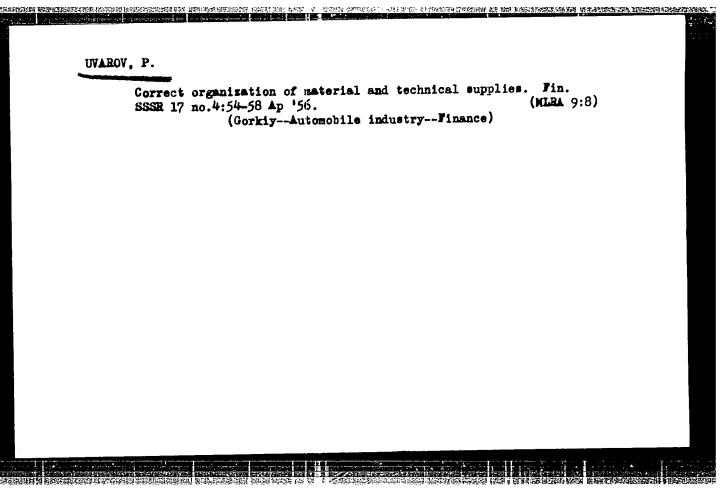
UVAROV. O. V.; SOKOLOV, N.M.;

"Betrachtung einiger Methoden zur Bestimmung der Koeffizienten der relativen Fluchtigkeiten stabiler Isotope."

Third Working Conference on Stable Isotopes, 28 October to 2 November 1963, Leipzig.

UVAROV, O.V.; SOKOLOV, N.M.

Effect of the evaporation conditions on the value of the partition factor & in the course of Raleigh distillation. Zhur. fiz. khim. 38 no.7:1863-1864 Jl 164. (MIRA 18:3)

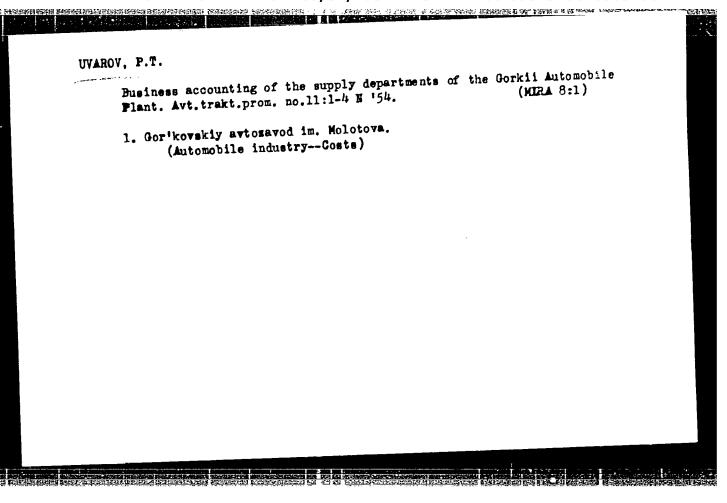


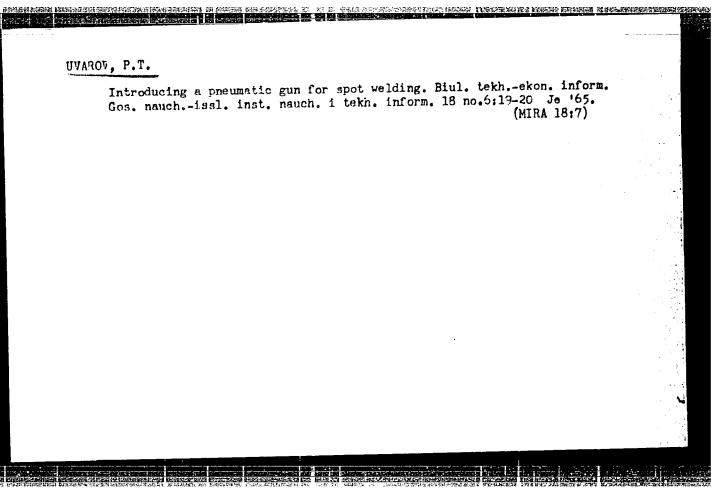
APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

UVARO	7, P.
	Conducting the classes on industrial safety. Proftekh. obr. (MIRA 16:9) 20 no.8:29 Ag '63.
	1. Starshiy inzh. po podgotovke kadrov kombinata Rostovugol', g. Shakhty Rostovskoy obl.
	g. Shakhty Rostovskoy our. (Mining engineering—Safety measures)

- IVAROV. P. S., POPOV, E. G. 1;
- 2. USSR (600)
- 4. Horses
- Horsebreeding on a leading collective farm, Konevodstvo 23 No. 2, 7. 1953

9. Monthly List of Russian Accessions, Library of Congress,





UVORCY, P. T.

USSR/ Engineering - Supply

Card 1/1

Pub. 128 - 27/33

Authors

Uvarov, P. T.

Title

s Supply reserves in the service of economics

Periodical

Vest. mash. 36/1, 76-79, Jan 1956

Abstract

The importance of a timely supply and proper distribution of raw materials to manufacturing plants are emphasized, and problems connected with interfactory transport, cost accounting procedures and economical methods adopted in various manufacturing plants in organizing supply, transportation and loading and unloading of materials, seating of cost accounting units, wholesale prices, etc., are discussed.

Institution :

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Submitted

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

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UVAROV, PT.

KISELEV, I.I.; BORISOV, N.I.; YASINOVSKIY, B.S., inzh.; SANNIKOV, Yu.K., inzh.; SOKOLOV, V.A., inzh.; LEVCHENKO, L.D., inzh.; NALOYEV, G.A., inzh.; CHICHAKOV, K.K., inzh.; BARYKIN, V.I., inzh.; FREYDLIN, A.Ya., inzh.; GULYAYEV, A.I., inzh.; STIGNEYEV, Ya.F., inzh.; SHAGANOVA, K.N., inzh.; KHELIMSKIY, I.Ye., inzh.; AVROV, A.N., inzh.; DEMIDOVA, M.I., inzh.; NIKIFOROVA, Ye.D., inzh.; KLIBANOVA, F.I., inzh.; CHIVKUNOV, K.I., inzh.; STOROZHKO, I.G., inzh.; NOVAKOVSKIY, Ye.Ta., inzh.; GOYKHFUL!, A.O., inzh.; TARASOV, A.M., inzh.; SHISHKO, A.P., inzh.; UVAROV, P.T., ekonomist; DRAGUNOV, M.V., ekonomist; KARANDASHOV, A.A., ekonomist; KONKIN, M.V., ekonomist; GOREV, M.S., ekonomist. Prinimali uchastiye: LAPIN, T.I.; RAMENSKIY, Yu.A.; KADINSKIY, B.A.; SOKOLOV, S.D.; STOROZHKO, I.G.; FOMINYKH, A.I., POLYAKOVA, N., red.; SMIHNOV, G., tekhn.red.

[Organization and improvement of production; practices of the Gorkiy Automobile Plant] Organizatsiia i severshenstvovanie proizvodstva; opyt Gor'kovskogo avtozavoda. Moskva, Gos. izd-vo polit. lit-ry, 1958. 332 p. (MIRA 12:2)

- 1. Direktor Gor'kovskogo avtomobil'nogo zavoda (for Kiselev).
- 2. Glavnyy inshener Gortkovskogo avtomobilinogo savoda (for Borisov).
- 3. Gor'kovskiy avtomobil'nyy zavod (for all except Kiselev, Borisov, Polyakova, Smirnov).

(Gorkiy--Automobile industry)

MARKOVICH, Mark Moiseyevich; UVAROV, Petr Yakovlevich; DROZHZHIN, Yu.N., red.; KOVALENKO, V.L., tekhn. red.

[Engineering taught in a physics class] Tekhnika na urokakh fiziki.
Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1960. 164 p.
(MIRA 14:6)

(Engineering-Study and teaching)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001858310012-2"

CONTROL OF THE PROPERTY OF THE

- 1. UVAROV, S., Eng.
- 2. USSR (600)
- 4. Loading and Unloading
- 7. Mechanization of unloading operations in lumber yards, Mast. ugl., 2, no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

UVAROV, S.A.; TIKHONOV, A.Ya., mostovoy master (Novosibirsk)

Providing for safety in work on bridges. Put' 1 put.knoz. 7 no.9:31 '63. (MIRA 16:10)

1. Zamestitel' nachal'nika Novosibirskoy distantsii po iskusstvennym sooruzheniyam (for Uwarov).

THE RESERVE OF THE PROPERTY OF

UVAROV. S.F. glavnyy red.; POPOV, A.S., red.; D'YAKONENKO, V.M., red.; GROBMAN, S.M., red.; PETROVA, T.G., red.; KOLESNIKOV, F.M., red.; KRUTOUS, V.P., tekhn.red.

[Papers at a technical conference on design, construction, manufacture, and use of reinforced concrete poles for electric transmission lines and telephone communications. November 27-30, 1956] Materialy nauchno-tekhnicheskoy konferentsii po proektriovaniiu, stroitelistvu, proisvodstvu i ekspluatatsii zhelezobetonnykh opor liniy elektroperedachi i svyazi. [Grosnyi] Checheno-Ingushskoe knishnoe isd-vo, 1957, 163 p. (MIRA 11:6)

1. Nauchno-tekhnicheskaya konferentsiya po proyektirovaniyu, stroitel'stvu, proisvodstvu i ekspluatatsii shelesobetonnykh opor linii elektroperedachi i svyazi. Groznyy, 1956. (Reinforced concrete construction) (Electric lines-Poles)

UVAROV, 3. G. Lumbering.

Log unloading device of the All-Union coal Institute. Mekh. trud. rab. 6 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953/2 Unclassified.

UVAROV, S.G., inzh.

Coal and timber yards for mines with removable equipment. Ugol'
34 no.4:53-54 Ap '59. (MIRA 12:7)

(Coal mines and mining--Equipment and supplies)

UVAROV, S.G., inzh.

Determining the fields of application in coal mines and basic parameters of coal loading into railroad cars without using storage bins. Ugol' 36 no.4:31 Ap '61. (MIRA 14:5) (Loading and unloading) (Coal mines and mining)

THE STREET STREET, STR

FROLOV, A.G.; KOZLOVSKIY, S.I.; MELAMED, Z.M.; GARATEOV, I.S.; UVAROV, S.G.; ZVEHIGORODSKAYA, G.V.; KOSTAN YAN, A.Ya., red.izd-va; SHEVCHENKO, G.N., tekhn. red.; PRUSAKOVA, T.A., tekhn. red.

[Principles for the improvement of industrial complexes on mine surfaces] Osnovy sovershenstvovaniia tekhnologicheskikh kompleksov poverkhnosti shakht. [By] A.G.Frolov i dr. Moskva, Izd-vo AN SSSR, 1963. 135 p. (MIRA 16:12)

1. Moscow. Institut gornogo dela.
(Mine buildings)

ACC NR: AP6031769 (A) SOURCE CODE: UR/0094/66/000/007/0048/0050 AUTHOR: Omel'chenko, V. I. (Engineer); Krasnikov, A. S. (Engineer); Voronin, V. L. (Engineer); Konstantinovskiy, V. A. (Engineer); Uvarov, S. N. (Candidate of technical sciences) ORG: None TITLE: Industrial electric power generators using aviation turbine engines SOURCE: Promyshlennaya energetika, no. 7, 1966, 48-50 TOPIC TAGS: electric power engineering, electric power plant, turboprop engine ABSTRACT: The authors discuss the advantages of using discarded aviation turbine engines for generating power in industrial plants, transport and in various branches of the petroleum industry. Units using aviation turbine engines could be made for various power requirements varying from several hundred to several thousand kilowatt output. The authors describe a successful attempt to set up such a unit in the Soviet Union in 1965. This unit utilized an AI-20 turboprop engine in conjunction with an SGN-14-19-6 1000 kw synchronous generator. This generating plant was equipped with an automatic control which ensured its starting, controlled its fuel and oil supply and handled mergencies. The AI-20 turboprop engine is capable of running on various fuels. It	L 09123-67 EWT(m)/EWP(f) FDN/WW/DJ/WE	
(Engineer); Konstantinovskiy, V. A. (Engineer); Uvarov, S. N. (Candidate of technical sciences) ORG: None TITLE: Industrial electric power generators using aviation turbine engines SOURCE: Promyshlennaya energetika, no. 7, 1966, 48-50 TOPIC TAGS: electric power engineering, electric power plant, turboprop engine ABSTRACT: The authors discuss the advantages of using discarded aviation turbine engines for generating power in industrial plants, transport and in various branches of the petroleum industry. Units using aviation turbine engines could be made for various power requirements varying from several hundred to several thousand kilowatt output. The authors describe a successful attempt to set up such a unit in the Soviet Union in 1965. This unit utilized an AI=20 turboprop engine in conjunction with an SGN-14-49-6 1000 kw synchronous generator. This generating plant was equipped with an automatic control which ensured its starting, controlled its fuel and oil supply and handled emergencies. The AI=20 turboprop engine is capable of running on various fuels. It was found that it could be operated on diesel fuel and natural gas if the natural gas		i
ORG: None TITLE: Industrial electric power generators using aviation turbine engines SOURCE: Promyshlennaya energetika, no. 7, 1966, 48-50 TOPIC TAGS: electric power engineering, electric power plant, turboprop engine ABSTRACT: The authors discuss the advantages of using discarded aviation turbine engines for generating power in industrial plants, transport and in various branches of the petroleum industry. Units using aviation turbine engines could be made for various power requirements varying from several hundred to several thousand kilowatt output. The authors describe a successful attempt to set up such a unit in the Soviet Union in 1965. This unit utilized an AI-20 turboprop engine in conjunction with an SGN-14-19-6 1000 kw synchronous generator. This generating plant was equipped with an automatic control which ensured its starting, controlled its fuel and oil supply and handled emergencies. The AI-20 turboprop engine is capable of running on various fuels. It was found that it could be operated on diesel fuel and natural gas if the natural gas	BCICHCCD/	
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UB CODE: 10,13/ SU	JBM DATE: None	

ACC NR: AP6016917 (A) SOURCE CODE: UR/0104/66/000/002/0005/0008	
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Engineer); Uvarov, S. N. (Candidate of technical sciences); Uspenskiy, A. N. (Candidate of technical sciences)	
DRG: none	
TITLE: Electric generating stations with AI-20 gas turbines ()	
OURCE: Elektricheskiye stantsii, no. 2, 1966, 5-8	
COPIC TAGS: gas turbine, turboprop engine, electric power plant, proceeding the AI-20 gas turbine. ABSTRACT: In 1964, plans and blueprints were developed by the Giprolestrans Planning Institute of stationary, quick-assembled, and transportable AI-20 turbopropengine-driven electric power plants. Such a 50-cps, 6.3-kv plant is to have a capacity of 1250, 1600, 2000, or 4000 kw. Sketches of the stationary and transportable plants are shown. Estimates show that such a plant will be economical if it is operated as a peak-load station, up to 3000-4000 hrs per year, and particularly if it uses a partly worn-out airplane engine. Orig. art. has: 4 figures and 1 table.	
SUB CODE: 10, 094/ SUBM DATE: none / ORIG REF: 003	
Card 1/1 UDC: 621.311.23	

KASHIRTSEV, Arkadiy Sergeyevich. Prinimali uchastiye: TOLSTYKH, A.N.; IV&NS&N, T.Yu.; UVAROV, S.V.. STEPANOV, D.L., prof., otv.red.; KORDE, K.B., red.izd-va; SUSHKOVA, L.A., tekhn.red.

[Field atlas of the fauna of Permian deposits in the northeastern part of the U.S.S.R.] Polevoi atlas fauny permskikh otlozhenii Severo-Vostoka SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1959. 84 p. (MIRA 13:2) (Siberia, Eastern--Paleontology, Stratigraphic)

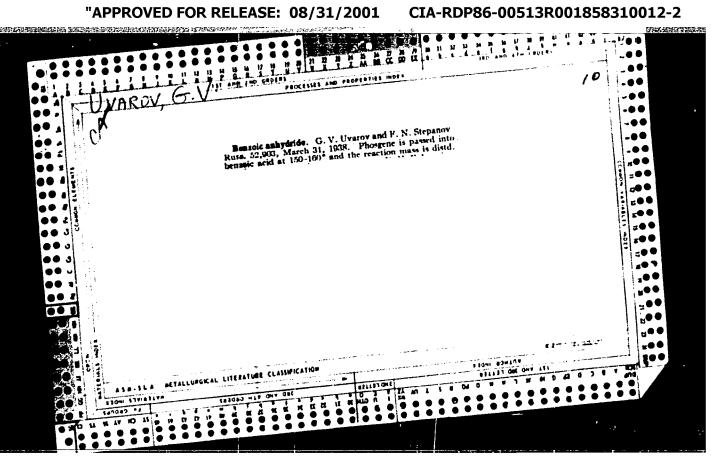
UVAROV, S.Ya., inzh.

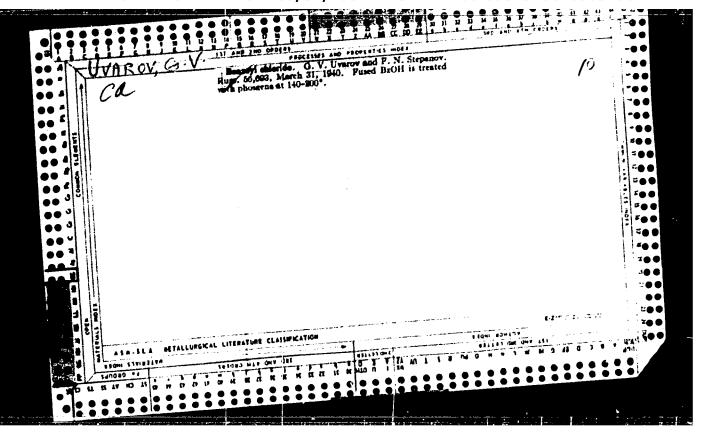
Power distribution network of a modern shop. Prom. energ. 19
no.3:35-36 Mr '64.

UVAROV, G.A., kand.tekhn.nauk; SHESTAKOV, B.I., kand.tekhn.nauk; FEDOROV, V.N., inzh.; GOPKO, M.K., inzh.; ANDREYEV, G.B., inzh. ORLOV, A.V., inzh.

Simultaneous burning of anthracite culm and gas with different methods for supplying the gas to the furnace. Teploenergetika 8 no.4:52-57 Ap 161. (MIRA 14:8)

1. Kuybyshevskiy industrial'nyy institut i Kuybyshevenergo. (Furnaces)





304/64-58-4-1/20

AUTHOR:

Uvarov, G. V.

TITLE:

The Chemical Industry Must Develop Quicker (Razvivat' khimicheskuyu promyshlennost uskorennymi tempami)

PERIODICAL:

Khimicheskaya promyshlennost', 1958, Nr 4, pp. 197 - 200(USSR)

ABSTRACT:

The May Plenary Session of the TsK KPSS (Central Committee of the Communist Party of the Soviet Union) passed a historical program that mainly concerns the industry of natural and artificial fibers, plastics and other synthetics as well as products made of them. In order to show the great scale of this plan also some data on the planned development are given and the provinces concerned are mentioned. Among others also the insufficiencies to be removed at the MKhP (Ministry of Chemical Industry) are mentioned and it is noticed that for a successful development of chemical industry the corresponding equipment and apparatus must be designed and produced by the industry for machine building, apparatus building and mechanization. The publication of projection documentations is regarded one of the most important problems;

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The Chemical Industry Must Develop Quicker

the projecting institutes had to be assisted in this work; some of them are mentioned. The work of the scientific research institutes is criticized by some examples; a more directed and quicker work is demanded. The working out of new, and the improvement of existing methods for the production of initial materials for polymerization products of mineral oil and natural gases is mentioned as an example. Besides the perfection of already existing processes special interest has to be paid to the development of especially resistive and heat-resistive polymers for plastics and artificial fibers. In order to promote scientific research work some institutes and branches are being organized, which are mentioned by the author. The production of acetic acid by the Vladimir Chemical Plant is mentioned as example for a successful complex automation. A cooperation among the socialist countries is recommended, the cooperation among the chemists of the USSR (SSSR) and Czechoslovakia (Chekhoslovatskaya respublika) being mentioned as an example. The expenditure for scientific technical literature should be increased and the technical information service on foreign and domestic science and technique is to be extended. An

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The Chemical Industry Must Develop Quicker

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improvement of working methods is recommended to the Laboratory for Technical-Scientific Investigations and Informations Institute imeni L. Ya. Karpov (Institut im. L. Ya. Karpova). Finally it is mentioned that the decisions by the plenary session met with international agreement.

ASSOCIATION:

Gosudarstvennyy komitet Soveta Ministrov SSSR po khimii (State Committee for Chemistry of the Council of Ministers of the USSR).

1. Chemical industry--USSR

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5(1)

PHASE I BOOK EXPLOITATION

BOV / 2997

Uvarov, Georgiy Vasil'yevich, Deputy Chairman of the State Committee on Chemistry of the USSR Council of Ministers

Razvitiye khimicheskoy promyshlennosti v 1959-1965 godakh (Development of the Chemical Industry Between 1959 and 1965) Moscow, Izd-vo "Znaniye," 1959. 15 p. (Series: Vsesoyuznoye obshchestvo po resprostraneniyu politicheskikh i nauchnykh znaniy. Seriya IV, 1959, no. 26) 47,500 copies printed.

Sponsoring Agency: Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.

Ed.: T. F. Islankina; Tech. Ed.: L. Ye. Atroshchenko.

FURPOSE: This booklet is intended for the general reader interested in the chemical industry.

COVERAGE: The booklet emphasizes the growing importance of chemistry for different branches of industry and states that the rapid progress in aviation, rocket construction, electronics, and atomic energy has, to a great extent, been made possible by new synthetics and plastics manufactured by the chemical industry.

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Development of the Chemical Industry (Cont.)

80V/2997

As illustration it points out that the TU-104 aircraft has 120,000 parts made of synthetic rabber or plastics. Raw materials needed to manufacture chemical and petrochemicals are enumerated and the quantity of these materials now available in the Soviet Union indicated as well as the location of newly built chemical plants. No personalities are mentioned. No references are given.

TABLE OF CONTENTS:

Raw Material Resources

5

Distribution of New Enterprises

10

Development of Different Branches of the Chemical Industry

11

AVAILABLE: Library of Congress

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5(0) AUTHOR:

G., Deputy Chairman of the Uvarov, State Committee for Chemistry at the

SOV/29-59-4-1/26

Council of Ministers of the USSR

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TITLE:

Komsomol, Let Us Fight for the "Great Chemistry"

(Komsomol, v pokhod za bol'shuyu khimiyu!)

PERIODICAL:

Tekhnika molodezhi, 1959, Nr 4, p 1 (USSR)

ABSTRACT:

The Central Committee of the CPSS decided in May 1958, to speed up the development of the chemical industry. The characteristic feature of the modern chemical industry is its capability of creating entirely new materials, which have no correspondence in nature, from cheap and abundantly available raw materials. During the next seven years principal care will be directed towards the production of synthetics, especially chemical fibers and plastics. Production of chemical fibers is to be increased by the 4-fold within the end of the Seven-Year Plan . In particular, the production of specially high-quality synthetic fibers is to rise by the 12 - 13-fold and that of plastics and synthetic rubbers by more than 7-fold. As much as 450 million meters of textiles will be produced by the end of the Seven-Year Plan with the use of synthetic fibers. The consumer will be

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Komsomol, Let Us Fight for the "Great Chemistry"

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offered large stocks of synthetic furs, footwear and household wares, all made of synthetic materials. To secure a surplus in goods, the government has appropriated investments of 100 - 105 billion rubles for the development of the chemical industry. This money is to be employed for the construction of 140 new plants, 35 of which are to produce synthetic fibers, and for the transformation of more than 130 existing plants. The creation of the "great chemistry" is impossible without the contribution of youth. The Lenin Komsomol has taken over the sponsorship of 27 new chemical plants. Youth is working with great enthusiasm at the construction of chemical fiber factories at Barnaul, Ryazan', Engel's, Krasnoyarsk, Kiyev and Mogilev. The Central Committee of the LVKSM in conjunction with the State Committee for Chemistry at the Council of Ministers has invited entries for a contest among youth collectives participating in the construction of chemical plants. As a means of :> encouraging the best collectives a challenge prize, the Red Banner of the TsK VLKSM and of the Goskhimkomitet, as well as three money prizes in the amounts of 15,000, 10,000 and 5,000 rubles are contributed. Furthermore an All-Union youth contest has been announced for the best rationalization suggestions in

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the field of chemistry. The following prizes will be assigned to the contest participants for the best inventions, technical improvements and rationalization suggestions in the field of chemistry, that have so far been adopted in the works with technical and economic benefits: 15 first prizes (motor scooters "Tula-200", pianettes, motorcycles "IZh-56"); 25 second prizes (accordeons, hunting rifles, television sets); 50 third prizes ("Zorkiy" cameras, radio sets, record players and tape recorders "El'fa"). There is 1 figure.

ASSOCIATION:

Gosudarstvennyy komitet Soveta Ministrov SSSR po khimii (State Committee for Chemistry at the Council of Ministers, USSR)

Card 3/3

THE WELL STREET, STREE

BARDIN, I.P., akademik, glavnyy red. [deceased]; VOL'FKOVICH, S.I., akademik, otv.red.toma; UVAROV, G.V., red.toma; KOMAROV, V.P., dotsent, red.toma; LAVHENT YEV, M.A., akademik, red.; DIKUSHIN, V.I., akademik, red.; NEMCHINOV, V.S., akademik, red.; VEYTS, V.I., red.; LEVITSKIY, O.D., red.; NEKRASOV, N.N., red.; PUSTOVALOV, L.B., red.; KHACHATUROV, T.S., red.; ROSTOVTSEV, N.F., akademik, red.; POPOV, A.N., red.; CHAFOV, L.Ye., red.; CASHEV, A.D., red.; PROBST, A.Ye., prof., red.; VASYUTIN, V.F., prof., red.; KROTOV, V.A., prof., red.; VASIL'YEV, P.V., doktor ekonom.nauk, red.; LYUDOGOVSKIY, G.I., kand.tekhn.nauk, red.; LETUNOV, P.A., kand.geol.-mineral.nauk, red.; SHKOL'NIKOV, M.G., kand.ekonom.nauk, red.; BANKVITSER, A.L., red. izd-va; BRUZGUL', V.V., tekhn.red.

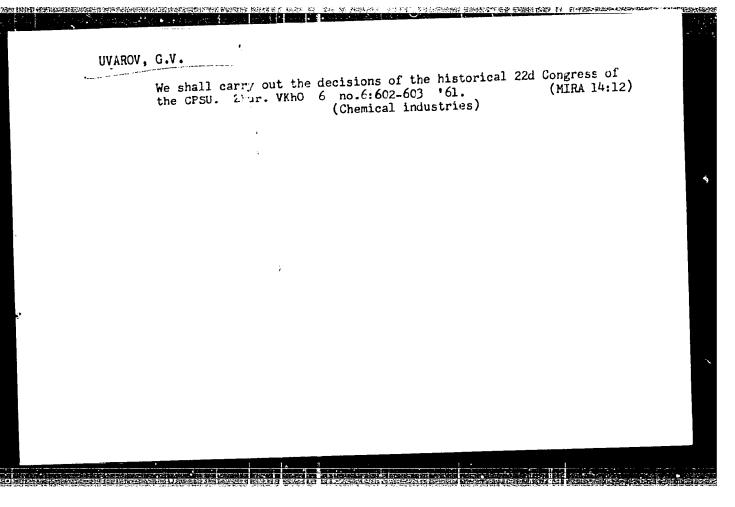
[Chemical industry] Khimicheskaia promyshlennost. Moskva, 1960. 202 p.

1. Akademiya nauk SSSR. Sovet po izuchaniyu proizvoditelinykh sil. Sibirskoye otdeleniye. 2. Chleny-korrespondenty AN SSSR (for Veyts, Levitskiy, Nekrasov, Pustovalov, Khachaturov). 3. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Rostovtsev). 4. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 5. Zamestitel' predsedatelya Gosplana RSFSR (for Grafov). 6. Chlen Gosplana RSFSR (for Gashav). 7. Zamestitel¹ predsedatelya Gosudarstvennogo komiteta Soveta Ministrov SSSR po khimii (for Uvarov). (Chemical industries)

UVAROV, G.V.

Chemicals and synthetic dyes for the industry. Kozh.-obuv.prom. 3 no.11:14-17 N '61. (MIRA 15:1)

1. Zamestitel' predsedatelya Gosudarstvennogo komiteta po khimii Soveta Ministrov SSSR. (Chemistry, Technical) (Dyes and dyeing--Leather)



BUSHUYEV, Viktor Mikhaylovich; UVAROV, Georgiy Vasil'yavich; OSADA, P.A., red.; GERASIPOVA, Ye.S., tekhn. red.

[Soviet chemical industry during the current seven-year plan]
Sovetskaia khimicheskaia promyshlennost' v tekushchem semiletii.
Moskva, Izd-vo ekon. lit-ry, 1962. 197 p. (MIRA 15:4)

(Chemical industries)

 Application of chemistry to agriculture and industry. Neuka 1 zhizn!
29 no.3:4-7 Mr 162.
1. Zamestitel predsedatelya Gosudarstvennogo komiteta Soveta Ministrov
SSR po khimii. (Agricultural chemistry) (Chemistry, Technical)

UVAROV, G.V.; SALAMATOV, I.I.

Increase in the variety of output and the improvement of the quality of construction materials should be the main objective of the chemical machinery manufacture. Zhur. VKHO 8 no.3:242-244 163. (MIRA 16:8)

BELLEVIEW CONTROL OF THE SERVICE STATES AND ALL THE SERVICE STATES AND ASSESSMENT OF THE SERVICE STATES AND ASSESSMENT OF

UVAROV, G.V.

Carrying out the decisions of the December Plenum of the Central Committee of the CPSU is a concern of all Soviet people. Zhur. VKHO 8 no.6:601-604 '63. (MIRA 17:2)

1. Zamestitel' predsedatelya Gosudarstvennogo komiteta khimicheskoy i neftyanoy promyshlennosti pri Gosplane SSSR.

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